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**Los Alamos
National Laboratory****Environment, Safety, and Health Division****Air Quality Group
(ESH-17)****Quality
Assurance
Project
Plan****for the****Asbestos
Report
Project**

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03/05/02

General Information about this plan

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General Information, continued

Appendices

This plan has the following appendices:

Number	Appendix Title	No. of pages
A	Project Organization Chart	1
B	References	2

History of revision

This table lists the revision history of this plan.

Revision	Date	Description Of Changes
0	7/4/97	New document.
1	2/21/02	Revised to better reflect project work processes.

Section 1

Quality Program

Organization

Purpose of this plan	<p>This Quality Assurance Project Plan (QAPP) is tiered to the ESH-17 Quality Management Plan, which, together with the implementing procedures, provides the requirements and processes that ensure the project effectively maintains LANL compliance with the project's areas of responsibility within all state and federal regulations governing visible airborne asbestos emissions, asbestos waste disposal, and reporting requirements.</p> <p>This plan also demonstrates compliance with DOE Order 414.1A, "Quality Assurance."</p>
Scope of this plan	<p>This QAPP addresses the requirements that pertain to ESH-17's role in the implementation of LIR402-570-01, "Asbestos." It does not address the processes in other organizations that have responsibilities as outlined in the LIR.</p>
Applicable regulations	<p>LANL is an applicable source for 40 CFR 61, Subpart M because, 1) demolition activities occur, and 2) asbestos renovation activities occur. This regulation is known as the Asbestos NESHAP (National Emission Standard for Hazardous Air Pollutants) and is found in Part 61.140 through Part 61.157 and in Appendix A of Subpart M. This CFR is further promulgated by Title 20, New Mexico Administrative Code, Chapter 2, Part 78, (20NMAC 2.78). The following paragraphs are specifically applicable to LANL.</p> <p>40CFR 61.145 <u>Standard for demolition and renovation:</u> All of 61.145 applies. Notification requirements are given in paragraph (b).</p> <p>40 CFR 61.150 <u>Standard for waste disposal for all sources except asbestos mills:</u> All of Part 61.150 applies. Paragraph (e) sets the tone for our agreement with the NMED to provide quarterly waste reports.</p>

Continued on next page.

Organization, continued

Applicable regulations,
continued

40 CFR 61.154
Standard for active waste disposal sites:
Response from Landfill Operator is needed to complete waste reporting.
Auditing of Landfills is required by DOE/LANL to ensure proper disposal of hazardous wastes.

40 CFR Part 61, Subpart M, Appendix A
Interpretive Rule Governing Roof Removal Operations

DOE Order EH-413-062/1195
Regulatory Requirements Affecting Disposal of Asbestos-Containing Waste

DOE Order 414.1A

Compliance with DOE Order 414.1A is a Department of Energy requirement, rather than a regulatory requirement. Compliance with this order is met by:

- Organization of this Quality Assurance Project Plan; each section of the QAPP addresses one of the 10 Criteria listed in DOE O 414.1A.
- The multi-level quality framework of the group; the group quality management plan is the enveloping document, followed by specific project plans listing project requirements, and then detailed procedures describing how work is performed.

ESH-17 group organization

The Air Quality Group (ESH-17) of the Environment, Safety, and Health (ESH) Division is responsible for the Asbestos Report Project at Los Alamos National Laboratory (LANL). See the Group ESH-17 Quality Management Plan (ESH-17-QMP) for a description of the group organization and chain of authorities.

Project organization

The ESH-17 Asbestos Report Project Leader manages the operation of the Asbestos Report Project to ensure that project objectives are met. The project leader reports to the ESH-17 Regulatory and Lines Services (RLS) Team Leader.

Organization, continued

Other LANL groups This project is operated in cooperation with the Industrial Hygiene Group (ESH-5) to monitor and control all aspects of asbestos removal in either Operations and Maintenance (O&M) work, or renovation/demolition activities. The responsibilities of ESH-5 are spelled out in LIR 402-570-01.0.

The day-to-day O&M work is generally performed by trained Johnson Controls Northern New Mexico (JCNNM) workers. JCNNM is the LANL Support Services Subcontractor and is governed by the Laboratory's Asbestos Management Program Plan (AMP).

Other LANL Groups (e.g., ER, D&D) may frequently hire outside contractors to perform asbestos work or demolition work. In this case, these outside contractors will adhere to regulatory requirements for asbestos renovation and demolition work.

Project deliverables Asbestos Report Project deliverables consist mainly of the required notifications to the New Mexico Environment Department (NMED). Reports consist of at least the following:

- Annual forecast of expected maintenance activity
- Special notifications throughout the year of large-scale renovation projects
- Special notification throughout the year of any demolition projects
- Quarterly reports to the NMED accounting for the disposal of all asbestos removed from LANL and DOE buildings and property.

Revising this plan The Asbestos Report Project Leader, the RLS Team leader, the Quality Assurance Officer, and the ESH-17 Group Leader will approve all revisions to this plan.

Section 2

Personnel Development

Personnel Training and Qualification

**Personnel
requirements
and training**

Qualified Asbestos Project members will be hired and trained as prescribed in the ESH-17 QMP. Desirable experience or training includes AHERA Asbestos Building Inspector and/or AHERA Asbestos Contractor/Supervisor.

Training is also required for the ORACLE Asbestos Database. Thorough knowledge of database management and data entry is needed.

As required by the ESH-17-QMP, all personnel performing project-related work are required to obtain appropriate training prior to performing work governed by a procedure. The Asbestos Project Leader will determine training needs. Training to a procedure constitutes authorization to perform the work. Training for ESH-17 personnel is performed and documented according to ESH-17-024, "Personnel Training." Training of personnel in other organizations will be performed and documented according to each organization's training procedure.

Section 3

Quality Improvement

Improving Project Quality

**Project
performance
reports**

Personnel assigned to perform Asbestos Report Project activities will provide periodic verbal or written updates to the Project Leader. These updates will be used by the Project Leader to determine project focus.

The Project Leader will provide periodic verbal or written updates to the RLS Team Leader and/or Group Leader. These updates will be used to keep group management apprised of the focus of Asbestos Report Project activities and any project shortcomings.

The Asbestos Report Project leader will prepare performance reports as needed. These performance reports will address items such as:

- Audit/assessment activities relating to quality assurance of Asbestos Report Project activities
 - Problems or deficiencies identified during assessment activities or during routine performance of work
-

**Performance
report
distribution**

The following receive copies of project performance reports:

- ESH-17 Group Leader
 - ESH-17 Quality Assurance Officer
 - ESH-17 RLS Team Leader
 - Asbestos Report Project personnel
-

**Corrective
actions within
ESH-17**

Corrective actions for all ESH-17 projects are initiated, tracked, corrected, and documented according to the ESH-17 Quality Management Plan and group procedure ESH-17-026, "Deficiency Tracking and Reporting."

**Deficiency
trending**

At least once a year, the Asbestos Report Project Leader reviews the deficiency reports to look for trends in the occurrence of deficiencies. The trending analysis results are documented in a memo or report, forwarded to the ESH-17 Group Leader, and copied to the ESH-17 records management system.

Improving Project Quality, continued

Quality improvement Project activities will adhere to the policy for continuous improvement as given in the ESH-17 QMP.

The ESH-17 Group Leader, RLS Team Leader, Asbestos Report Project Leader, and Quality Assurance Officer use performance reports and deficiency trending results to improve project processes.

Section 4

Documents and Records

Project Documents and Records

**Document
control**

This plan is controlled through the ESH-17 document control program (ESH-17-030, "Document Distribution").

The following individuals receive controlled copies of this project plan:

- ESH-17 Group Office Leader
 - Asbestos Report Project Leader
 - Asbestos Project personnel
 - ESH-17 Quality Assurance Officer
 - ESH-17 RLS Team Leader
-

**Project
records**

Asbestos Report Project records maintained by ESH-17 are in four basic groupings and include:

- Incremental small job notification file as defined by the JCNNM Asbestos Memo Job issue forms .
 - Large Job and Demolition Job Notifications . These will include the work from Environmental Restoration and outside contractors.
 - Quarterly Report files
 - Asbestos Project field inspection forms
-

**Records
disposition
and retention**

Current records, and the previous years' records, are maintained and kept by the responsible Asbestos Report personnel and are available for auditing. After approximately 1 year, when all jobs are closed out, wastes are accounted for, and no quick reference from them is needed, the records from previous years may be transferred into the ESH-17 records management system. Records are archived in compliance with Laboratory and DOE requirements for records retention, storage, and management.

Section 5

Work Processes

5.1 Planning and Performing Work

**Purpose of
Asbestos
Report
Project work
processes**

The Asbestos Report Project performs work to demonstrate compliance with the reporting requirements of 40 CFR 61, Subpart M, as applicable at LANL. The applicable sections of Subpart M include:

40CFR 61.145 – Standard for demolition and renovation

40 CFR 61.150 – Standard for waste disposal for all sources except asbestos mills

40 CFR 61.154 – Standard for active waste disposal sites:

40 CFR Part 61, Subpart M, Appendix A – Interpretive Rule Governing Roof Removal Operations

Further, the Asbestos Report Project performs work to demonstrate compliance with the reporting requirements of:

DOE Order EH-413-062/1195 – Regulatory Requirements Affecting Disposal of Asbestos-Containing Waste

Requirement

LANL is an applicable source for 40 CFR 61, Subpart M because, 1) demolition activities occur, and 2) asbestos renovation activities occur.

Policy

The ESH-17 Asbestos Report Project will help ensure LANL compliance with 40 CFR 61, Subpart M by (1) ensuring that applicable reporting requirements of the regulation are completed in a timely fashion, and (2) periodically performing inspections of asbestos waste storage areas to verify appropriate records.

The ESH-17 Asbestos Report Project will further support asbestos removal/renovation and demolition activities by providing technical support to operating groups and contractors. This support will only be provided where personnel have sufficient technical expertise.

5.1 Planning and Performing Work, continued

Description of work processes The work processes used to meet the regulatory requirements and the requirements of this plan can be divided as follows:

- 5.2 Reporting Activities
- 5.3 Inspection Activities
- 5.4 Technical Support Activities.

5.2 Reporting Activities

Purpose

The Reporting activities work process is used to

- Ensure timely and accurate reporting of routine reports as required by 40 CFR 61, Subpart M,
 - Ensure timely and accurate notification of the NMED in the event of planned asbestos removal/renovation and/or demolition activities, and
 - Ensure timely and accurate notification of the NMED in the event that previous notifications or reports require revision.
-

Requirement

According to 40 CFR 61.145, the NMED must be notified at least ten working days in advance of:

- Demolition of any structure
 - Removal of any amount of regulated asbestos containing material in excess of:
 - 260 linear feet on pipes,
 - 160 square feet on other facility components, or
 - 35 cubic feet off facility components where the length or area could not be measured previously.
 - Change in start date of an operation for which previous notice was given. A ten-day notification only applies when the start date will be moved up (sooner) than originally reported. If the start date will be pushed back, the ten day requirement does not apply, but notification is still required.
-

Policy

The ESH-17 Asbestos Report Project will support reporting activities in support of Laboratory operations. This support will come in two forms:

- ESH-17 will prepare and submit reports/notifications as noted in this plan.
- ESH-17 will provide technical and regulatory review of reports/notifications submitted to the NMED by Laboratory organizations or their subcontractors.

Unless specified otherwise in this plan, the responsibility for reporting to or notifying the NMED may be ESH-17, other Laboratory organizations, or their subcontractors.

5.2 Reporting Activities, continued

Description of sub-processes This reporting activities work process can be divided into six sub-processes. These six sub-processes are:

- 5.2.1 Annual Forecast Report
- 5.2.2 Large Job Notification
- 5.2.3 Demolition Notification
- 5.2.4 Asbestos Waste Reporting
- 5.2.5 Emergency Notification

5.2.1 Annual Forecast Report

Purpose	The Annual Forecast is a required report to the NMED that provides a reasonable estimate of the total amount of friable asbestos to be removed during small job and maintenance activity during the following calendar year. This forecast does not address large jobs (see next section). Small job activity consists of incremental jobs that remove <u>less than</u> 260 linear feet of pipe insulation, 160 square feet of other facility components, or 35 cubic feet of facility components where the length or area could not be measured previously.
Requirement	Compliance is required by 40 CFR 61.145(a)(4)(iii) and 61.145(b)(3)(ii). The update requirement is in 40 CFR 61.145(b)(2).
Notification to ESH-17	JCNNM outlines and describes each job in a memo to the Asbestos Report Project called a Notice of Intention of Friable/Nonfriable Asbestos Removal . The Asbestos Reporting Project files these memos in the project incremental small job notification file and enters the information into the Asbestos NESHAP Tracking Database.
Report preparation and submittal	During the first part of December each year, the JCNNM Maintenance Department Asbestos Supervisor (JCNNM/MDAS) fills out and submits to ESH-17, the New Mexico Environment Department Asbestos Demolition/Renovation Notification form . The Asbestos Report Project then prepares a cover letter and submits it with this notification form to the Air Quality Bureau of the NMED at least 10 working days before the first work day of the following year.
Report content	This notification contains an estimate of linear feet of pipe insulation and square footage of on-facility insulation that is reasonably expected to be removed in the following calendar year during normal day-to-day work activity. It should be noted that the square footage given here is not for floor, wall, or roof areas of non-friable materials (vinyl asbestos floor tiles, roofing felts and mastics, and transite). This square footage consists of thermal systems insulation (TSI), such as sprayed on or block type insulation, found on the surface areas of large facility equipment such as boilers and HVAC units.
NMED response	The NMED will respond with an acknowledgment of receipt of the forecast. The NMED will also assign a tracking number to be used in tracking all small job asbestos work activity and subsequent asbestos waste disposal.

5.2.1 Annual Forecast Report, continued

Revised notification

If the aggregate projected total of linear or square feet to be removed, as monitored throughout the year, indicates that the annual forecast will be in error by more than 20%, an updated estimate must be submitted to the NMED by the Asbestos Report Project Leader. This may be accomplished by a phone call to NMED about the updated estimate change followed by a fax of the revised copy of notification with updated amount of asbestos to be removed..

Non-friable asbestos

Note that even though the annual notification forecasts only the removal of friable asbestos, the LANL Asbestos Management Program Plan controls and monitors nonfriable asbestos removals as well. Materials containing non-friable asbestos are not regulated as asbestos containing materials (ACM) under the NESHAP. As a good business practice, with the exception of formal notifications, non-friable asbestos containing materials are removed, handled, and disposed of in the same manner as ACM. A separate category and total is maintained in the Asbestos NESHAP Tracking Database for non-friable waste material.

5.2.2 Large Job Notification

Purpose	When a job requires the removal of <u>more than</u> 260 linear feet of pipe insulation, 160 square feet of other facility components, or an estimated off-facility amount of more than 35 cubic feet, a special Large Job Notification must be issued to NMED.
Requirement	Compliance is required by 40 CFR 61.145 (a)(4)(i, ii).
Notification	Notification consists of the NMED Asbestos Demolition/Renovation Notification Form . This must be delivered to the NMED or postmarked at least 10 working days before the scheduled start date stated in the notification. The NMED will respond to this notice and assign a job and waste tracking number similar to the one issued for the annual estimate. If work cannot begin on that date, the NMED must be notified of the delay and the new scheduled start date. This delay notice may be an initial phone call, but must be followed with a revised written notification. No work that will disturb asbestos may be performed on the project before the scheduled start date.
Databasing	The wastes from this type of job are not totaled against the annual estimate. They are accumulated, stored, and disposed of in the same manner, but are totaled separately in each quarterly report. See Section 5.2.5.

5.2.3 Demolition Notification

Purpose	If a building or facility is scheduled for demolition, whether asbestos is known to be present <u>or not</u> , a Special Notification must be issued to NMED.
Requirement	Compliance is required by 40 CFR 61.145(a)(2)(ii).
Notification	This notification is the same as the one used for large jobs. See Section 5.2.2.
Subsequent discovery of asbestos	Normally, there will be no asbestos wastes from demolition activity unless asbestos went undetected during facility inspection, and was later found during demolition. If asbestos is discovered during demolition, work must stop, the amount of asbestos must be calculated, information put into the tracking database, and notification to NMED revised if necessary.

5.2.4 Asbestos Waste Reporting

Purpose	Quarterly waste reporting was agreed to between the NMED and Group HSE-8 on May 23, 1991, (HSE-8:91-1109, and a July 9, 1991 certified letter from Monet Harrison , Acting Chief, ES&H Branch of DOE/LAAO to Debby Brinkerhoff of the NMED Air Quality Bureau). These reports provide notification of all asbestos activity and consequent waste material disposal.
Requirement	Compliance is required by 40 CFR 61.150(e).
Information from the database	ESH-17 uses the NESHAP Asbestos Tacking Database to track all asbestos renovation/removal activity performed during the year by JCNNM and other contractors. Up-to-date information concerning all jobs and waste is retrieved from the database and included in each quarterly report to the NMED.
Preparing quarterly report	<p>At the end of each calendar quarter, the ESH-17 Asbestos Report Project assembles all of the waste disposal papers and writes the quarterly report to the NMED.</p> <p>There are times when Solid Waste Operations has made no off-site shipments and no complete disposal has been accomplished. At these times, the report shows only work that has been completed with the associated waste being held for disposal at either area TA-60-85 MRF-A Yard or in the perimeter dumpsters. There may or may not have been any disposals at Area G.</p> <p>The report is due as soon as possible after the end of each quarter.</p>
Waste movement	In order to generate the quarterly report, ESH-17 tracks all asbestos renovation/removal activity performed during the year by JCNNM, and other contractors, including annual small job work and large renovation/demolition work. Asbestos is tracked from the generation site, to the temporary storage containers, the TA-60-85 MRF-A Yard Transfer Station, and on to final off-site disposal landfills. In the case of potentially radioactive wastes, instead of going to TA-60-85 MRF-A Yard , the waste goes directly to TA-54, Area G for permanent disposal. This tracking is accomplished using the NESHAP Asbestos Tracking Database.

5.2.5 Emergency Notification

Purpose	In the event of unexpected or emergency instances involving asbestos, the Asbestos project will notify the NMED.
Requirement	Compliance is required by 40 CFR 61.145(a)(4)(iv) and 40 CFR 61.145(b)(4)(xv).
Notification	In the event of a sudden, unexpected occurrence or emergency situation involving asbestos, the Asbestos Report Project notifies the NMED by telephone. Verbal notification is followed by a special written report to explain the emergency in detail and outline the proposed plan of corrective action or repair.

5.3 Inspection Activities

Purpose	<p>The inspection activities work process is used to</p> <ul style="list-style-type: none">• Ensure that sufficient records are maintained to demonstrate compliance with the reporting and notification requirements described in Section 5.2.• Review work practices at asbestos disposal sites to help ensure that appropriate practices, as described in 40 CFR 61, Subpart M, are performed.• Track future operations to ensure continued compliance with reporting requirements.
Requirement	<p>40 CFR 61, Subpart M provides requirements for physical controls and/or posting and labeling for each of the following activities:</p> <ul style="list-style-type: none">• Asbestos removal• Asbestos packaging• Asbestos disposal
Policy	<p>The ESH-17 Asbestos Report Project will perform inspection activities to help ensure that applicable laws and regulations are followed when working with asbestos.</p>
Description of sub-processes	<p>This reporting activities work process can be divided into three sub-processes that demonstrate how the purpose of the inspection activities work process is achieved. These three sub-processes are:</p> <ul style="list-style-type: none">5.3.1 Dumpster and trailer inspections5.3.2 Landfill inspections5.3.3 New job tracking

5.3.1 Dumpster and Trailer Inspections

Purpose	Asbestos Project personnel perform at least weekly inspections of the perimeter asbestos waste storage dumpsters and trailers in order to stay current with activity in progress. This information, when combined with the finished work notices, is used to keep the asbestos database up to date.
Inspection activities	<p>During the course of these weekly inspections, Asbestos Project personnel will perform the following checks:</p> <ul style="list-style-type: none">• Verify contents of dumpsters and trailers to ensure only asbestos waste is disposed.• Verify proper disposal and packaging practices are employed for asbestos wastes.• Verify complete records (e.g., log sheets) are maintained for each dumpster and trailer.• Record any new asbestos wastes on the ESH-17 asbestos inspection report form.
Follow up	<p>In the event of any discrepancies identified during the course of these inspections, the ESH-17 Asbestos project leader will follow up with appropriate personnel and organizations to ensure proper waste disposal practices are employed.</p> <p>Depending on the significance of the problem, the Asbestos project leader will determine whether a violation of a requirement occurred that requires initiation of an ESH-17 deficiency report.</p>

5.3.2 Landfill Inspections

Purpose	The Laboratory is responsible for its asbestos waste even after it has been disposed at an approved disposal facility. To ensure that practices at the disposal facility continue to meet appropriate standards, periodic assessments of the facility will be used.
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Approach	In addition to ESH-17 needs, other LANL organizations also require auditing of these landfills or disposal facilities. Landfill auditing is required by DOE/LANL to ensure proper disposal of hazardous wastes generated at LANL (EPA's Off-site Policy, described in EM-8:91-277).
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The DOE requires that every 18 to 24 months, any Transfer, Storage, Disposal Facility (TSDF) that accepts hazardous waste materials from LANL, such as asbestos, must be audited to ensure compliance with relevant environmental regulations. FWO schedules and coordinates these audits and their personnel serve as the team leaders.

The Asbestos project relies on these inspections/audits to meet its needs. Periodically, ESH-17 may send a representative that is trained to the Asbestos NESHAP regulations along on the assessments.

5.3.3 Tracking New Jobs

Purpose New jobs are identified through the ESH-17 Air Quality Review process (including ESH-IDs). Time lag between the original AQR and the start of the job can be significant (e.g., more than six months). As a result, the Asbestos project considers it important to track these potential new jobs periodically to ensure that appropriate notifications are made.

Initial AQR ESH-17 conducts air quality reviews on a near daily basis. In the event that asbestos or demolition is identified as a concern, the Asbestos project leader is notified.

Tracking Asbestos project personnel will put each potential new job into a tracking system to ensure that contact with the contractor or owning group is made at least monthly.

5.4 Technical Support Activities

Purpose	<p>The technical support activities work process is used to provide technical support to Laboratory groups and to their sub-contractors during the performance of work governed by 40 CFR 61, Subpart M.</p> <p>These activities will be performed as necessary, but they will not take precedence over reporting or inspection activities.</p>
Requirement	<p>None.</p>
Policy	<p>The ESH-17 Asbestos Report Project will provide technical support to operating groups and to their subcontractors as needed and within appropriate areas of expertise. This support will generally NOT be used to meet the Subpart M requirement that each job have a competent individual on-site.</p>
LANL Asbestos Waste Generator	<p>The Asbestos Report Project Leader interacts with the Asbestos Management Program Working Group and acts as the primary asbestos waste generator for the Laboratory.</p> <p>The Asbestos Management Program Working Group consists of members from ESH-5, ESH-17, FSS-9, EM-SWO and JCNNM. This group meets periodically to discuss on-going asbestos-related plans and problems.</p>

Section 6

Design

Project Design Activity

Project design activity The Asbestos Report Project requires no hardware design activity.

Section 7

Procurement

Project Procurement

Procured items The Asbestos Report Project procures needed supplies in accordance with the Laboratory process for procurement and the requirements in the ESH-17-QMP.

Section 8

Inspection and Acceptance Testing

Project Supplies Inspection and Acceptance

Inspection and acceptance of project supplies Asbestos Report Project supplies are commercial grade in nature and require no special acceptance practices or procedures.

Section 9

Management Assessment

Internal Management Assessments

**Internal
assessments**

The Air Quality Group conducts internal management assessments of all projects and programs in the group in accordance with requirements in the ESH-17 Quality Management Plan. Assessments of the project are documented and filed as records.

**Responding to
assessments**

When violations of requirements are found during a management assessment, a deficiency report is initiated to document the violation. Corrective actions are tracked and documented in accordance with ESH-17-026, "Deficiency Reporting and Correcting."

Section 10

Independent Assessment

NMED Independent External Assessments

**External
assessments**

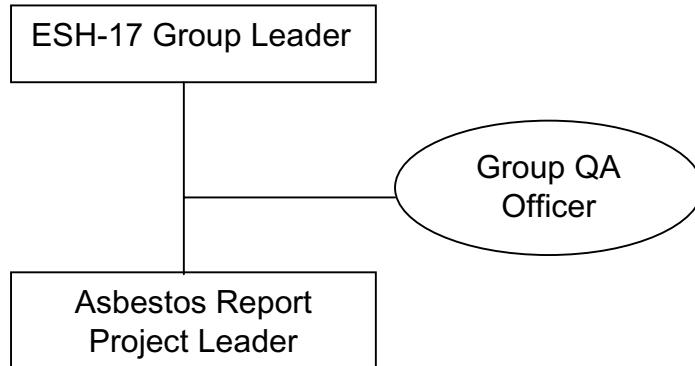
The NMED conducts unannounced assessments and inspections of all asbestos matters and activities at the Laboratory. Assessors interface with the Laboratory through the ESH-17 Asbestos Report Project Leader for on-site escort. Assessments may include examination of the records held by the Asbestos Report Project and/or field inspections of asbestos remediation job sites.

Advance notice of assessments or inspections is provided only when NMED access to cleared areas is required.

These assessments are independent of other regulatory visits by NMED Solid Waste Inspectors that are handled by ESH-19.

Appendix A

Project Organization



Appendix B

References

Requirements and guidance documents:

DOE Order 5400.1, "General Environmental Protection Program," changed June 29, 1980

DOE Order 5400.5, "Radiation Protection of the Public and the Environment," changed January 7, 1993

DOE Order 414.1, "Quality Assurance," issued November 24, 1998 (supersedes DOE Order 5700.6C, "Quality Assurance")

DOE/HQ DRAFT document, "DOE Records Schedule for Environmental Records," November 1996

DOE/EH-0173T, "Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance," January 1991.

PRD-110-01, "LANL Quality Assurance Management Plan," Los Alamos National Laboratory, January 1, 1993

LIR402-570-01, "Asbestos," Los Alamos National Laboratory, February 8, 2001

LIR404-00-04, "Managing Solid Waste" Los Alamos National Laboratory, January 5, 1999

LALP-93-47, "Calibration Handbook," Los Alamos National Laboratory, June 1993, superseded by NOTICE No. 0044

NOTICE No. 0044 Changes to Laboratory Calibration Program; see ESA-MT home page (to be superseded by LIR 402-140-01)

FFCA, "Appendix A Compliance Plan" of the "Federal Facility Compliance Agreement, June 1996

Consent Decree, Concerned Citizens for Nuclear Safety vs. U.S. Department of Energy and Sigfried S. Hecker, U.S. District Court for the District of New Mexico, 1/17/97

Group ESH-17 Air Quality documents:

ESH-17-QMP, "Quality Management Plan for the Air Quality Group"

ESH-17-MET, "Quality Assurance Project Plan for the Meteorology Monitoring Project"

ESH-17-022, “Preparation, Review, and Approval of Procedures”

ESH-17-024, “Personnel Training”

ESH-17-025, “Records Management”

ESH-17-026, “Deficiency Reporting and Correcting”

ESH-17-029, “Management Assessments”

ESH-17-030, “Document Distribution”

ESH-17-032, “Orienting New Employees”